

Title (en)

Method and apparatus for developing colour images using dry toners and an intermediate transfer member.

Title (de)

Verfahren und Vorrichtung zur Entwicklung von Farbbildern mit Trockentoner und Zwischenübertragungselement.

Title (fr)

Procédé et appareil pour développement d'images en couleurs utilisant des toners secs et un élément de transfert intermédiaire.

Publication

**EP 0571757 A1 19931201 (EN)**

Application

**EP 93106401 A 19930420**

Priority

US 88856692 A 19920522

Abstract (en)

An electrophotographic method and apparatus for developing and printing colour images by the electrostatic projection of dry powder colour toners (104) onto a photoconductive member (10). A plurality of colour developing devices (28,30,32,34) are spaced from the photoconductive member (10) and are AC and DC biased (46,48,52,118) to sequentially project each of the cyan, yellow, magenta, and black color planes onto the photoconductive member (10). The photoconductive member (10) is directly driven against an intermediate transfer member (60) which sequentially receives and stores each of the colour planes to thereby form a composite colour image, and each colour plane is transferred from the photoconductive member (10) before the next colour plane is received thereon. The composite colour image is then directly transferred to the print medium (72), whereby the use of the intermediate transfer member (60) eliminates the problems of counter potentials at the surface of the photoconductive member (10) and enables dot-on-dot (DOD) formatting to be utilized for achieving the maximum resolution and print quality of the printed image. <IMAGE>

IPC 1-7

**G03G 15/01**

IPC 8 full level

**G03G 15/01** (2006.01); **G03G 15/06** (2006.01)

CPC (source: EP US)

**G03G 15/0126** (2013.01 - EP US); **G03G 15/0131** (2013.01 - EP US); **G03G 15/0173** (2013.01 - EP US)

Citation (search report)

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- [A] EP 0364855 A1 19900425 - OCE NEDERLAND BV [NL]
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EP1093029A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0571757 A1 19931201**; **EP 0571757 B1 19980225**; DE 69317069 D1 19980402; DE 69317069 T2 19980618; JP H0635286 A 19940210; US 5314774 A 19940524

DOCDB simple family (application)

**EP 93106401 A 19930420**; DE 69317069 T 19930420; JP 14291093 A 19930521; US 88856692 A 19920522